

(a) SEQ ID NO: 4, or  
(b) the DNA insert in ATCC Deposit No. PTA-1755;  
encoding a polypeptide fragment of at least about 25 amino acid residues, but not more than 80 amino acid residues, wherein upon injection into an animal the polypeptide fragment produces an antibody that binds to the polypeptide as set forth in SEQ ID NO: 5.

3. (Thrice Amended) An isolated nucleic acid molecule comprising:

(a) a nucleotide sequence encoding a polypeptide comprising the amino acid sequence:

Met Arg Leu Leu Xaa Leu Ser Xaa Leu Xaa Xaa Xaa Leu Xaa Leu Cys Xaa Xaa Xaa  
Xaa Ser Xaa Glu Gly Xaa Xaa Xaa Pro Ala Lys Xaa Xaa Xaa Xaa Arg Xaa Xaa Xaa  
Xaa Xaa Cys His Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Lys Gly Xaa His Xaa  
Arg Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Val Val Pro Gly  
Ala Leu Pro Gln Xaa,

wherein the residue at position 12 may be either methionine or isoleucine;

the residue at position 18 may be either cysteine or serine;

the residue at position 19 may be either isoleucine or valine;

the residue at position 22 may be either serine or threonine;

the residue at any of positions 25, 26, 61, or 64 may be either arginine or lysine;

the residue at position 27 may be either histidine or arginine;

the residue at position 51 may be either threonine or asparagine;

the residue at position 55 may be either asparagine or histidine;

the residue at position 81 may be either isoleucine or valine;

the residue at any of positions 5, 8, 10, 11, 14, 17, 20, 31, 32, 33, 34, 36, 40, 43, 44, 46, 47, 48, 49, 50, 52, 57, 59, 62, 66, 67, 68, 69, 70, or 71 may be any naturally occurring amino acid; and

the residue at any of positions 37, 38, 39, or 65 may be any naturally occurring amino acid or may be absent; or

(b) a nucleotide sequence complementary to the nucleotide sequence of (a).